

09/731,638
mm

L Number	Hits	Search Text	DB	Time stamp
1	1925059	cost\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:48
2	88052	cost\$1 with power	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:48
3	724839	wireless or base adj station\$1 or mobile\$1 or cellular	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:50
4	3504111	model\$4 or design\$4 or optimiz\$6 or optimal\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:52
5	87055	(wireless or base adj station\$1 or mobile\$1 or cellular) same (model\$4 or design\$4 or optimiz\$6 or optimal\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:52
6	3404	(cost\$1 with power) and ((wireless or base adj station\$1 or mobile\$1 or cellular) same (model\$4 or design\$4 or optimiz\$6 or optimal\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:53
7	172980	(cost\$1 with power) ame ((wireless or base adj station\$1 or mobile\$1 or cellular) same (model\$4 or design\$4 or optimiz\$6 or optimal\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 16:53
8	529	(cost\$1 with power) same ((wireless or base adj station\$1 or mobile\$1 or cellular) same (model\$4 or design\$4 or optimiz\$6 or optimal\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 17:04
9	88363	cost\$1 with power\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 17:04
10	6162	(model\$4 or design\$4 or optimiz\$6 or optimal\$3) with (cost\$1 with power\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 17:05

11	219	((model\$4 or design\$4 or optimiz\$6 or optimal\$3) with (cost\$1 with power\$1)) same (wireless or base adj station\$1 or mobile\$1 or cellular)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/19 17:05
-----------	------------	---	--	-----------------------------



Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Your search matched **384** of **1013964** documents.

A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:

You may refine your search by editing the current search expression or entering a new one in the text box.

cost and power and (wireless or cellular) and (model or

[Search](#)

☐ Check to search within this result set *design*

Results Key:

JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 System design issues for low-power, low-cost short range wireless networking

Bhagwat, P.; Bisdikian, C.; Korpeoglu, I.; Krishna, A.; Naghshineh, M.;

Personal Wireless Communication, 1999 IEEE International Conference on , 1 Feb. 1999

Pages:264 - 268

[\[Abstract\]](#) [\[PDF Full-Text \(556 KB\)\]](#) IEEE CNF

2 PicoRadios for wireless sensor networks: the next challenge in ultra power design

Rabaey, J.M.; Ammer, J.; Karalar, T.; Suetfei Li; Otis, B.; Sheets, M.; Tuan, T.;
Solid-State Circuits Conference, 2002. Digest of Technical Papers. ISSCC. 2002 IEEE International , Volume: 1 , 3-7 Feb. 2002

Pages:200 - 201 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(306 KB\)\]](#) IEEE CNF

3 Low cost diversity antennas for low power wireless base stations

Kitchener, D.; Smith, M.S.; Dalley, J.E.J.; Thomas, R.R.;

Antennas and Propagation, Tenth International Conference on (Conf. Publ. No. 436) , Volume: 1 , 14-17 April 1997

Pages:445 - 447 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(272 KB\)\]](#) IEEE CNF

4 Design challenges in the high volume manufacturing of millimeter-wave transceivers

Howard, T.;

Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE , 10-11 April 2000

Pages:5 pp.

[\[Abstract\]](#) [\[PDF Full-Text \(384 KB\)\]](#) IEEE CNF

5 Advanced design, technology & manufacturing for high volume and cost production

Welcome to IEEE Xplore®

- ☐ Home
- ☐ What Can I Access?
- ☐ Log-out

Tables of Contents

- ☐ Journals & Magazines
- ☐ Conference Proceedings
- ☐ Standards

Search

- ☐ By Author
- ☐ Basic
- ☐ Advanced

Member Services

- ☐ Join IEEE
- ☐ Establish IEEE Web Account
- ☐ Access the IEEE Member Digital Library

Search Results [PDF FULL-TEXT 428 KB] [DOWNLOAD CITATION](#)**Cost-effective selection of radio access ports in den wireless systems**

Stanley, R.A. Levesque, A.H.

GTE Labs. Inc., Waltham, MA, USA;

This paper appears in: Personal, Indoor and Mobile Radio Communicati
The Ninth IEEE International Symposium on

Meeting Date: 09/08/1998 - 09/11/1998

Publication Date: 8-11 Sept. 1998

Location: Boston, MA USA

On page(s): 89 - 93 vol.1

Volume: 1

Reference Cited: 9

Number of Pages: 3 vol. 1574

Inspec Accession Number: 6269705

Abstract:

A model for the overall cost of radio access ports to serve a given geographic area is developed. It is shown that systems comprising large numbers of closely spaced radioports can be accurately modeled by a uniform geometric array of circular patterns. Based on empirical data, a least-squares cost representation of radio function of their composite radiated power is developed. Finally, the total cost developed and shown to be convex. An example demonstrates a nearly 6:1 ratio of system cost for radio access depending on the selection of radioport power and capacity.

Index Terms:

[cellular radio](#) [channel capacity](#) [costing](#) [least mean squares methods](#) [cellular wireless telecommunications](#) [channel capacity](#) [circular coverage patterns](#) [closely spaced radio composite radiated power](#) [convex total cost function](#) [cost model](#) [cost-effective selection of radio access ports](#) [economic margins](#) [empirical data](#) [geographical area](#) [least-squares representation](#) [radio access ports](#) [radioport power](#) [radioports](#) [system cost](#) [uniform array](#) [wireless system topology](#)

Documents that cite this document

There are no citing documents available in IEEE Xplore at this time.

[Search Results](#) [PDF FULL-TEXT 428 KB] [DOWNLOAD CITATION](#)